

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 15.02.03	Job No.:	ADR Yes/No: Y	ADR Date: 15.01.09	ECN #: 15- 522
Product No.: D350-689		Created By: <i>AJS</i>	Approved By: <i>CP</i>	
Product Name: DUAL HIGHBACK SEAT		Checked By: <i>[Signature]</i>		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)	Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF		DQA / QA Coord.	Y	PS/ED	
Production Manager / Coord.	Y	LL/MF		QC Coordinator	Y	PD	
Purchasing Coord.	N	CL		Customer Support	Y	SW/LM	
Production Engineering Coord.	Y	DD/JLM		Customer Technical Support	Y	MB/HS	
Production Engineering Coord.	N	DL		Marketing	N	KO/SL	
Customer Order Processing	N	SL/BG		Sales Support Manager	N	CP	

Reason for Change: Design improvement from customer feedback.

Documents Affected:
Release D2199 Rev. F, D3017 Rev.C, D3023 Rev. B, D5159 Rev. A, D5160 Rev. A, D5162 Rev. A, D5189 Rev. A, D5190 Rev A, and M304S Rev. D

IF APPLICABLE: NCR: _____ PAR: 14-367 CAR: _____ CIR: _____ URF: _____

PAPERWORK UPDATE ☐ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	N		See ECN 15-520 for further updates	15.02.03
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		15.02.04 <i>[Signature]</i>
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		15.02.04 <i>[Signature]</i>
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		15.02.04 <i>[Signature]</i>
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ		15.02.04 <i>[Signature]</i>
18	Create / Update Change Record Form / Item Card Database	N		See ECN 15-520 for further updates	
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	N			
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	N			
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		15.02.04 <i>[Signature]</i>
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

Also see ECN 15-520 to follow later for further actions

w/o's updated 15-02-04

ECN Verified & Complete: _____ Date: _____

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 15.02.03	Job No.:	ADR Yes/No: Y	ADR Date: 15.01.09	ECN #: 15- 520
Product No.: D350-689		Created By: AJS	Approved By:	
Product Name: DUAL HIGHBACK SEAT		Checked By:		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	
Production Manager / Coord.	Y	LL/MF	
Purchasing Coord.	N	CL	
Production Engineering Coord.	Y	DD/JLM	
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL/BG	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS/ED	
QC Coordinator	Y	PD	
Customer Support	Y	SW/LM	
Customer Technical Support	Y	MB/HS	
Marketing	N	KO/SL	
Sales Support Manager	N	CP	

Reason for Change:	Design improvement from customer feedback.
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Documents Affected:	Release IIN-D350-689 Rev. C, ICA-D350-689 Rev. 3 and MDL D350-689 Rev. G.
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REFERENCE ONLY NOT RELEASED YET.

IF APPLICABLE:	NCR: _____	PAR: 14-367	CAR: _____	CIR: _____	URF: _____
PAPERWORK UPDATE	<input checked="" type="checkbox"/>	PARTS MUST COMPLY	<input checked="" type="checkbox"/>	PREVIOUS PARTS SATISFACTORY	<input type="checkbox"/>

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	Y	AJS		15.02.03
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		
12	Update Product Specification Files (Bluefiles)	N			
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ	*See Notes	
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ		
21	Update Controlled Supplier Documents (Opulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:	Update D350-689-011 to CHG 007, Update D350-689-021 To CHG006, Update D350-689-031 to CHG002, Update D350-689-041 to CHG003, Update D350-689-042 to CHG 003. D350-689-019 Now Inactive *****Rework all D350-689-041/-043 Kits in stock per Drawing D5162*****
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ECN Verified & Complete: _____ Date: _____

REFERENCE ONLY

NOT RELEASED yet

5.0 PARTS LIST

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X						D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X					D350-689-013	FLOOR PROVISIONS KIT
		X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
		1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1				X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
		1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
1		1				D3018-1	SEAT CUSHION
1		1				D3019-1	BACK CUSHION
	1					D3025-1	BEAM
	1					D3027-1	CLIP
	1					D3027-3	CLIP
	1					D3027-5	CLIP
	4		4			D3027-7	CLIP
				4		D3028-1	STUD
				2		D3029-1	SPRING
				2		D3030-1	LOCK
1						D3032-1	SPACER
2						D3033-1	SEAT TRACK
1						D3234-1	DOUBLER
2						D3234-5	SPACER
					2	D3808-041	SEAT RAIL ASSEMBLY
					4	D3809-1	SLIDING BLOCK
			1			D3811-041	SEAT TRACK ASSEMBLY
1			1			D4575-1	BEAM
1			1			D4575-3	DOUBLER
				1	1	D5162-041	SEAT STRUCTURE ASSEMBLY
			9			MS21042L3	NUT (OR MS21042-3)
12						MS21059L3	NUTPLATE
2						MS24693-S273	SCREW
			9			MS24694-S50	SCREW
6						MS27039-1-10	SCREW
6						NAS1149D0332J	WASHER (OR AN960JD10L)
			9			NAS1149D0363J	WASHER (OR AN960JD10)

REFERENCE ONLY

NOT RELEASED YET

6.0 PARTS LIST (OPTIONAL KITS)

Qty -015	Qty -017	Qty -031	Part Number	Description
X			D350-689-015	SEAT MODIFICATION KIT
	X		D350-689-017	SHOULDER HARNESS KIT
		X	D350-689-031	ARMREST KIT
		1	D2199-31	STRUT
2			D3029-1	SPRING
2			D3030-1	LOCK
1			D3033-1	SEAT TRACK
4			D3059-1	STUD
4			D3060-1	BUSHING
4			D3061-1	RADIUS BLOCK
	2		D4071-041	SHOULDER HARNESS ASSY
		1	D4671-1	ARMREST CUSHION
		1	D5159-041	SEAT BACK BRACE ASSY
		1	D5159-043	SEAT BACK BRACE ASSY
		1	D5159-045	SEAT RIB ASSY
		1	D5189-041	TUBE ASSY
		1	D5189-043	ARMREST ASSY
			AN3-12A	BOLT
		1	AN4-4A	BOLT
		1	AN4-6A	BOLT
		1	AN4-10A	BOLT
		2	AN4-14A	BOLT
		1	AN4-17A	BOLT
	2		AN5-4A	BOLT
		1	AN970-4	WASHER
		4	MS20600AD4W4	BLIND RIVET
		8	MS20600AD4W5	BLIND RIVET
		10	MS21042L3	NUT (OR MS21042-3)
		8	MS21042L4	NUT (OR MS21042-4)
4	2		MS21042L5	NUT (OR MS21042-5)
4			MS21059L3	NUTPLATE
1			MS24693-S273	SCREW
3			MS27039-1-10	SCREW
		1	MS27039-1-17	SCREW
		3	MS27039-1-18	SCREW
		4	MS27039-1-19	SCREW
		2	MS27039-1-20	SCREW
		4	MS27039-4-20	SCREW
		2	MS27039-4-22	SCREW
		4	MS27039-4-21	SCREW
		20	NAS1149D0332J	WASHER (OR AN960JD10L)
		17	NAS1149D0432J	WASHER (OR AN960JD416)
	4		NAS1149D0516J	WASHER (OR AN960JD516L)
4			NAS1149D0563J	WASHER (OR AN960JD516)
		2	NAS43DD4-16FC	SPACER

128652 } -041
129340 }
128653 } -043
129344 }
128654 } -045
129344 } D5159-1
129345 } D5159-3
129342 } D5160-1
129346 } D5160-3
129343 } D5160-5
128655 } D5189-041
128656 } D5189-043